

WEST Search History

DATE: Wednesday, April 28, 2004

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=USPT,PGPB,JPAB,EPAB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L52	(CA-2342007-A1)! [did]	0
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L51	L9 and ((fraction\$5 or portion or part\$5 or amount or "how much") with (oil or water or hydrogeneous or connate or fluid\$5))	7
<input type="checkbox"/>	L50	L49 and (emuls\$9 or mixture or fluid)	5
<input type="checkbox"/>	L49	L48 and ((weight or weigh\$4 or heavy) with (spectr\$4 or amplitude or value or index\$3 or amount))	5
<input type="checkbox"/>	L48	L46 and ((transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8) with (cutoff or cut-off or "cut off" or threshold\$4))	8
<input type="checkbox"/>	L47	L46 and (emuls\$9)	7
<input type="checkbox"/>	L46	L45 and (relaxometer or relaxometry)	25
<input type="checkbox"/>	L45	L44 and (weight or weigh\$4)	3445
<input type="checkbox"/>	L44	L43 and (low\$4 or high\$3 or standard)	4073
<input type="checkbox"/>	L43	L42 and (spectr\$4 or amplitude or value or index\$3 or amount)	4080
<input type="checkbox"/>	L42	L41 and (transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8)	4117
<input type="checkbox"/>	L41	L40 and (cutoff or cut-off or "cut off" or threshold\$4)	11441
<input type="checkbox"/>	L40	L39 and (oil or water or hydrogeneous or connate or fluid\$5 or emulsion)	121411
<input type="checkbox"/>	L39	L1 and (fraction\$4 or portion\$3 or part or partial\$2)	139246
<input type="checkbox"/>	L38	L1 and (fraction\$4 or portion\$3 or part\$5)	138405
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L37	6242912	14
<input type="checkbox"/>	L36	L35 and (weight\$4 or wait\$4)	2
<input type="checkbox"/>	L35	L34 and (spectr\$4 or amplitude or value or index\$3)	2
<input type="checkbox"/>	L34	L33 and (water with oil)	2
<input type="checkbox"/>	L33	L31 and (heavy or crude or hydrocarbon)	2
<input type="checkbox"/>	L32	('6005389') [ABPN1,NRPN,PN,TBAN,WKU]	2
<input type="checkbox"/>	L31	L30 and (cpmg or (spin adj echo) or spin-echo\$2 or spinecho\$2)	2
<input type="checkbox"/>	L30	L29 and (transverse or "spin-spin" or "spin spin" or "t2" or "t.sub.2" or relax\$8)	2
<input type="checkbox"/>	L29	L28 and (cutoff or cut-off or "cut off" or threshold\$4)	2
<input type="checkbox"/>	L28	L27 and (oil)	5

<input type="checkbox"/>	L27	L26 and (water)	5
<input type="checkbox"/>	L26	L24 and (bitumen)	6
<input type="checkbox"/>	L25	L24 and (bitrium)	0
<input type="checkbox"/>	L24	((324/303)!.CCLS.)	445
<input type="checkbox"/>	L23	L21 and (temperature or heat\$4)	7
<input type="checkbox"/>	L22	L21 and (relaxometer or relaxometry)	3
<input type="checkbox"/>	L21	L20 and (water with oil)	8
<input type="checkbox"/>	L20	L19 and (water)	11
<input type="checkbox"/>	L19	L16 and (oil)	15
<input type="checkbox"/>	L18	L17 and (heavy with (oil or water or fluid))	2
<input type="checkbox"/>	L17	L16 and (emuls\$9)	8
<input type="checkbox"/>	L16	L15 and (oil or water or hydrogeneous or connate or fluid\$5)	76
<input type="checkbox"/>	L15	L14 and (low\$4 or high\$4 or standard or averag\$4)	77
<input type="checkbox"/>	L14	L13 and (spectr\$6 or amplitude or value or index\$3)	77
<input type="checkbox"/>	L13	L12 and (cutoff or cut-off or "cut off" or threshold\$4)	77
<input type="checkbox"/>	L12	L11 and (weight\$4 or heavy)	216
<input type="checkbox"/>	L11	L10 and (transverse or "spin-spin" or "spin spin" or "t2" or "t.sub.2" or relax\$8)	413
<input type="checkbox"/>	L10	L1 and ((low with field) with ((magnetic adj resonance) or MRI or NMR))	893
<input type="checkbox"/>	L9	L8 and (low\$4 or high or standard)	7
<input type="checkbox"/>	L8	L7 and (spectr\$4 or amplitude or value or index\$3)	7
<input type="checkbox"/>	L7	L6 and (emuls\$9)	7
<input type="checkbox"/>	L6	L5 and (transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8)	29
<input type="checkbox"/>	L5	L4 and (weight\$4 or heavy)	29
<input type="checkbox"/>	L4	L3 and (cutoff or cut-off or "cut off" or threshold\$4)	33
<input type="checkbox"/>	L3	L2 and (oil or water or hydrogeneous or connate or fluid\$5)	88
<input type="checkbox"/>	L2	L1 and (relaxometer or relaxometry)	111
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	171031

END OF SEARCH HISTORY

Printed Nov 3/26/2001

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Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20030215392 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 7

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030215392
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030215392 A1

*Done No good**3/26/2002*

TITLE: Paramagnetic particles that provide improved relaxivity

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lanza, Gregory M.	St. Louis	MO	US	
Wickline, Samuel A.	St. Louis	MO	US	

US-CL-CURRENT: 424/9.32; 424/9.322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw D
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☐ 2. Document ID: US 20030185760 A1

L9: Entry 2 of 7

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030185760
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030185760 A1

*Done No good**3/26/2002*

TITLE: Paramagnetic particles that provide improved relaxivity

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lanza, Gregory	St. Louis	MO	US	
Wickline, Samuel A.	St. Louis	MO	US	

US-CL-CURRENT: 424/9.321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 3. Document ID: US 20030092029 A1

L9: Entry 3 of 7

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092029
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030092029 A1

TITLE: Magneitc-nanoparticle conjugates and methods of use

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Josephson, Lee	Arlington	VA	US	
Weissleder, Ralph	Charlestown	MA	US	
Perez, J. Manuel	Boston	MA	US	

*Have no good**6/6/2006*US-CL-CURRENT: 435/6; 435/7.5, 436/526

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 4. Document ID: US 20030009297 A1

L9: Entry 4 of 7

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009297
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030009297 A1

TITLE: Determination of oil and water compositions of oil/water emulsions using low field NMR Relaxometry

PUBLICATION-DATE: January 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mirotchnik, Konstantin	Calgary		CA	
Allsopp, Kevin	Calgary		CA	
Kantzas, Apostolos	Calgary		CA	
Marentette, Daniel	Calgary		CA	

*Applicant's own work N/A*US-CL-CURRENT: 702/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 5. Document ID: US 5260050 A

L9: Entry 5 of 7

File: USPT

Nov 9, 1993

US-PAT-NO: 5260050

DOCUMENT-IDENTIFIER: US 5260050 A

TITLE: Methods and compositions for magnetic resonance imaging comprising superparamagnetic ferromagnetically coupled chromium complexes

DATE-ISSUED: November 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ranney; David F.	Dallas	TX	75234	

US-CL-CURRENT: 424/9.351; 424/617, 424/9.35, 436/173, 436/806, 536/102, 536/112, 536/122, 556/61, 600/420

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 6. Document ID: US 5213788 A

L9: Entry 6 of 7

File: USPT

May 25, 1993

US-PAT-NO: 5213788

DOCUMENT-IDENTIFIER: US 5213788 A

**** See image for Certificate of Correction ****

TITLE: Physically and chemically stabilized polyatomic clusters for magnetic resonance image and spectral enhancement

DATE-ISSUED: May 25, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ranney; David F.	Dallas	TX	75234	

US-CL-CURRENT: 424/9.322; 424/617, 424/9.35, 436/173, 436/806, 514/56, 514/836, 600/420

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 7. Document ID: CA 2342007 A1, US 20030009297 A1

L9: Entry 7 of 7

File: DWPI

Sep 26, 2002

DERWENT-ACC-NO: 2003-329971

DERWENT-WEEK: 200331

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Applicant's am not N/A

Applicant on Work N/A

TITLE: Oil content determination apparatus has low field nuclear magnetic resonance relaxometer having magnet, mechanism for determining total amplitude of spectrum, and mechanism for converting amplitude value to weight value

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NAME	Drawn De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
HIGH	5793515
HIGHS	2182
STANDARD	1195892
STANDARDS	199232
LOW\$4	0
LOW	3519940
LOWA	52
LOWABLE	19
LOWAC	6
LOWACID	4
(L8 AND (LOW\$4 OR HIGH OR STANDARD)). USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	7

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20040027122 A1

Using default format because multiple data bases are involved.

L26: Entry 1 of 6

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040027122

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040027122 A1

TITLE: METHOD FOR DETECTING HYDROCARBONS BY COMPARING NMR RESPONSE AT DIFFERENT DEPTHS OF INVESTIGATION

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heaton, Nicholas J.	Houston	TX	US	
Freedman, Robert	Houston	TX	US	

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 6703832 B2

L26: Entry 2 of 6

File: USPT

Mar 9, 2004

US-PAT-NO: 6703832

DOCUMENT-IDENTIFIER: US 6703832 B2

TITLE: Method for detecting hydrocarbons by comparing NMR response at different depths of investigation

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heaton, Nicholas J.	Houston	TX		
Freedman, Robert	Houston	TX		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Drawings
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☐ 3. Document ID: US 6477516 B1

L26: Entry 3 of 6

File: USPT

Nov 5, 2002

US-PAT-NO: 6477516

DOCUMENT-IDENTIFIER: US 6477516 B1

TITLE: System and method for predicting parameter of hydrocarbon with spectroscopy and neural networks

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colaiocco; Silvia Rosa	Miranda			VE
Espidel; Youssef Euclio	La Victoria			VE

US-CL-CURRENT: 706/21; 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Drawings
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☐ 4. Document ID: US 6255818 B1

L26: Entry 4 of 6

File: USPT

Jul 3, 2001

US-PAT-NO: 6255818

DOCUMENT-IDENTIFIER: US 6255818 B1

TITLE: Method and apparatus for performing magnetic resonance measurements

DATE-ISSUED: July 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heaton; Nicholas J.	Houston	TX		
Davies; Dylan H.	Sugar Land	TX		
Taherian; M. Reza	Stafford	TX		
Sun; Boqin Q.	Sugar Land	TX		
Sezginer; Abdurrahman	Houston	TX		

US-CL-CURRENT: 324/303; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Drawings
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☒ 5. Document ID: US 6140817 A

L26: Entry 5 of 6

File: USPT

Oct 31, 2000

US-PAT-NO: 6140817

DOCUMENT-IDENTIFIER: US 6140817 A

TITLE: Magnetic resonance well logging method and apparatus

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flaum; Charles	Ridgefield	CT		
Kleinberg; Robert L.	Ridgefield	CT		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 6. Document ID: US 6005389 A

L26: Entry 6 of 6

File: USPT

Dec 21, 1999

US-PAT-NO: 6005389

DOCUMENT-IDENTIFIER: US 6005389 A

TITLE: Pulse sequences and interpretation techniques for NMR measurements

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prammer; Manfred G.	Downingtown	PA		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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Term	Documents
BITUMEN	20315
BITUMAN	24
BITUMENS	1820
BITUMANS	0
(24 AND BITUMEN).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	6
(L24 AND (BITUMEN)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	6

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☐ 1. Document ID: US 6140817 A

Using default format because multiple data bases are involved.

L36: Entry 1 of 2

File: USPT

Oct 31, 2000

US-PAT-NO: 6140817

DOCUMENT-IDENTIFIER: US 6140817 A

TITLE: Magnetic resonance well logging method and apparatus

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flaum; Charles	Ridgefield	CT		
Kleinberg; Robert L.	Ridgefield	CT		

US-CL-CURRENT: [324/303](#); [324/300](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	WMC	Draw D
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☐ 2. Document ID: US 6005389 A

L36: Entry 2 of 2

File: USPT

Dec 21, 1999

US-PAT-NO: 6005389

DOCUMENT-IDENTIFIER: US 6005389 A

TITLE: Pulse sequences and interpretation techniques for NMR measurements

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prammer; Manfred G.	Downingtown	PA		

US-CL-CURRENT: [324/303](#); [324/300](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	WMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
WEIGHT\$4	0
WEIGHT	1911115
WEIGHTA	5
WEIGHTABLE	56
WEIGHTABLY	3
WEIGHTACT	1
WEIGHTAGE	305
WEIGHTAGES	56
WEIGHTAGG	1
WEIGHTALL	2
WEIGHTALOW	2
(L35 AND (WEIGHT\$4 OR WAIT\$4)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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